



THE CRANES EXAMINATIONS BOARD

" Ever Forward "

P.7 STANDARD EXAMINATIONS 2025
(SET 8)

MATHEMATICS

Time allowed: 2 Hours 30 Minutes

Random No.	Personal No.

CANDIDATE'S NAME:.....

CANDIDATE'S SIGNATURE:.....

DISTRICT NAME:.....

Read the following instructions carefully:

1. This paper has **two** sections: **A** and **B**.
2. Section **A** has **40** questions (**40 marks**)
3. Section **B** has **12** questions (**60 marks**)
4. Answer **all** questions . all answers to both sections **A** and **B** **must** be written in the spaces provided.
5. **All** answers must be written using a **blue** or **black ball point pen** or **ink**. Diagrams should be drawn in a pencil.
6. **Unnecessary** changes in your work may lead to **loss** of marks.
7. Any handwriting that **cannot** be easily read may lead to **loss** of marks.
8. **Do not** fill anything in the table indicated: "**FOR EXAMINERS' USE ONLY**" and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No	MARKS	EXR'S No.
1 – 10		
11 – 20		
21 – 22		
23 – 24		
25 – 26		
27 – 28		
29 – 30		
31 – 32		
TOTAL		

TURN OVER

LOCATION: KANSANGA-KL'A +256-762136454

SECTION: A

Answer **all** questions **in** this section.

Questions **1** to **20** carry **two** marks each.

1. Add: $68 + 79$

2. Find the additive inverse of -7

3. The area of a rectangle is **28dm²**.Find the width if the length is **7dm**.

4. Find the cube root of **64**.

5. Find the next number in the sequence

64 , 32 , 16 , 8 , 4 , _____ , _____



6. Simplify: $\frac{4}{5} \div 3\frac{1}{2}$

7. List all factors of **18**.

8. Find the sum of **6** and **8** in the number **84362**.

9. Write **17.295** in words.

10. The cost of **4** rulers is **shs. 3200**. Find the cost of **13** similar rulers.

11. Convert **$22\frac{1}{2}\%$** to a fraction.

12. Work out: **$1 \div 5 = (\text{finite } 6)$**

14. Given that set **K** = {**g, o, a, t**}. Write down all the subsets of set **K**.

15. Find the largest number that divides **24** and **30** without leaving a remainder.

TURN OVER

16. Expand **7543** using powers of tens.

17. Express **CXLV** in Hindu Arabic numerals.

18. What is the complement of (**148° - y**).

19. Dambya was facing north. He turned anti clockwise through an angle of **180°**
Find Dambya's new direction.

20. Given that set **G** = { all vowel letters} and set **H** = {a, b, c, d, e, f, g}.
Find n(**G U H**)

SECTION B: 60 MARKS

Answer **all** questions in **this** section.

Marks for **each** question are **indicated** in brackets.

21.(a) Work out: $5151 - 9183 + 8062$

(2 marks)

- (b) The reading of a water metre at the beginning of the month was **0049502** units and at the end of the month it was **0049521** units. If one unit costs **shs. 250**, how much money was spent at the end of the month ?

(3 marks)

22.(a) Solve for x: **$3(x +4) - 2(x -4) = 8$**

(2 marks)

(b) Solve and give the solution set: $\frac{2}{2a - 4} \leq \frac{3}{a + 4}$ (3 marks)

23. Given that **1 USD** costs Ug shs. **3,600**.

(a) How much will Oboth get Uganda shillings with **US Dollar 150** ?

(2 marks)

(b) Maureen sent Ug shs. 4,680,000 to her brother in United States of America, how much money did her brother get after the exchange ?

(3 marks)



24. In Bukabooli village of 2,400 people, $\frac{5}{12}$ of them are men and the rest are women.

(a) Find the fraction of women. *(1 mark)*

(b) Find the number of women in Bukabooli village. *(2 marks)*

(c) How many more women than men are in Bukabooli village ?

25.(a) Add:
$$\begin{array}{r} 4 & 2 & 6_{\text{three}} \\ + 2 & 1 & 3_{\text{three}} \\ \hline \end{array}$$
 (2 marks)

(b) Given that $34y = 19_{\text{ten}}$, find the value of y .

(2 marks)



26. The table below shows the distance covered by a motorist on his way from Mbale to Kampala. Study and complete the table below correctly.

Town	Distance	Speed	Time
Mbale - Iganga	132km	66km/hr	2 hours
Iganga -Jinja	40km	_____ km/hr	48minutes
Jinja - Lugazi	_____ km	50km/hr	$\frac{1}{2}$ hr
Lugazi - Mukono	30km	60km/hr	_____ hr
Mukono - Kampala	27km	18km/hr	$1\frac{1}{2}$ hr

(6 marks)

27. The **LCM** of two numbers is **60**, their **GCF** is **5**. If the first number of them is **20**.

(a) Find the second number.

(3 marks)



(b) Find the product of the two numbers. *(2 marks)*

28. Deborah had a fifty thousand shilling note bought the following items:

$2\frac{1}{2}$ kg of sugar at shs. 4,000 per kg.

3 bars of soap at shs. 12,000.

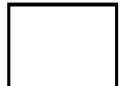
500g of aslt at shs. 4,800 each kg.

12 mangoes at shs. 800 for every 4 mangoes.

(a) How much money did Deborah spend altogether ? *(4 marks)*

(b) Find her change. *(1 mark)*

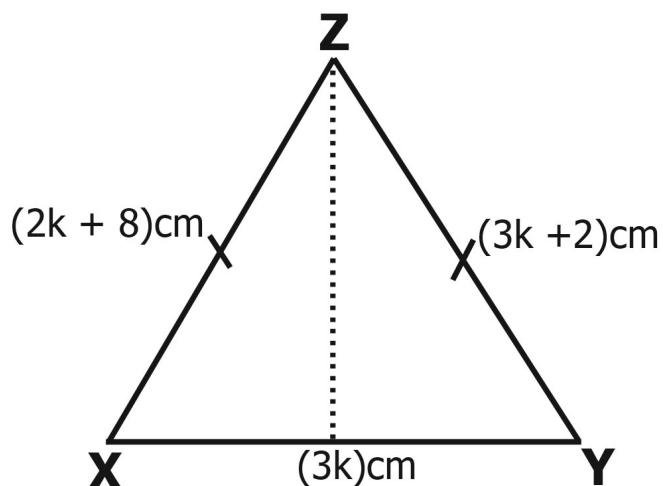
29. Solve: $\frac{2x}{5} + 2 = 16$ *(3 marks)*



(b) Simplify: $3^x \div 3^2 = 27$

(2 marks)

30. The figure **XYZ** is an isosceles triangle. Use it to answer the questions that follow.



(a) Find the value of **K** in cm.

(2 marks)

(b) Calculate the perimeter of the figure above.

(3 marks)

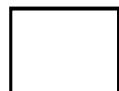


31. The graph below show the number of balls that were given to different schools in Jinja District.

Wanyange P/S	
Mwiiri P/S	
Kakira P/S	
Wairaka P/S	

Given that  represents 40 balls.

- (a) Which school had the highest number of balls ? *(1 mark)*
- (b) How many more balls did Kakira Primary School get than Mwiiri Primary School ? *(2 marks)*
- (c) Find the total number of balls that were received by Wanyange and Wairaka Primary School ? *(2 marks)*



32. The table below shows marks scored by a certain school. Use it to answer the questions that follow.

Marks	70	60	X	40
No. of pupils	3	3	6	2

(a) If the average mark is 55, find the value of X.

(3 marks)

(b) Work out the median mark.

(2 marks)



ABOUT THE CRANES EXAMINATIONS BOARD:

- We are located in Kansanga-Kampala on GABA ROAD just near GALAXY F.M
- We have **HIRE UNEB EXAMINERS** from the best performing schools. That is:-
 - 1. **Muwonge Ahmed(EXAMINER-MTC)** GET US ON:EMAIL:thecranesexamination@gmail.com
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